



Product: SPIDER-PL-20-01T1M29999TY9HHHH

Configurator: SPIDER-SL /-PL

Configurator Description

SPIDER III PoE Standard Line The SPIDER III PoE Standard Line switches are highly flexible, configurable and built for PoE+, eliminating the need for an external PoE power supply. SPIDER III Premium Line The SPIDER III Premium Line is designed to offer cost-effective, unmanaged switches with a robust set of customizable features to meet individual network needs across a variety of industries.

Technical Specifications

Product description

| | |
|------------------------|---|
| Description | Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, USB interface for configuration , Fast Ethernet |
| Part Number | 942141022 |
| Port type and quantity | 1 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity , 1 x 100BASE-FX, MM cable, SC sockets |

More Interfaces

| | |
|--------------------------------|-----------------------------------|
| Power supply/signaling contact | 1 x plug-in terminal block, 6-pin |
| USB interface | 1 x USB for configuration |

Network size - length of cable

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|-------------------------------|--|
| Twisted pair (TP) | 0 - 100 m |
| Multimode fiber (MM) 50/125 | 0 - 5000 m (Link Budget at 1310 nm = 0 - 8 dB; A=1 dB/km; BLP = 800 MHz*km) |
| Multimode fiber (MM) 62.5/125 | 0 - 4000 m (Link Budget at 1300 nm = 0 - 11 dB; A = 1 dB/km; BLP = 500 MHz*km) |

Network size - cascadiability

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|------------------------|-----|
| Line - / star topology | any |
|------------------------|-----|

Power requirements

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|--------------------------------|---------------------------------------|
| Current consumption at 24 V DC | Max. 160 mA |
| Operating voltage | 12/24 V DC (9.6 - 32 V DC), redundant |
| Power consumption | Max. 3.8 W |
| Power output in Btu (IT) h | 13.1 |

Diagnostics features

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| Diagnostic functions | LEDs (power, link status, data, data rate) |
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Ambient conditions

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|------------------------------------|-------------------------|
| MTBF | 1.349.776 h (Telcordia) |
| Operating temperature | -40-+70 °C |
| Storage/transport temperature | -40-+85 °C |
| Relative humidity (non-condensing) | 10 - 95 % |

Mechanical construction

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|------------------|--------------------|
| Weight | 400 g |
| Mounting | DIN rail |
| Protection class | IP40 metal housing |

Mechanical stability

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|-------------------------|--|
| IEC 60068-2-6 vibration | 3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min 1 g, 8.4–150 Hz, 10 cycles, 1 octave/min |
| IEC 60068-2-27 shock | 15 g, 11 ms duration, 18 shocks |

EMC interference immunity

| | |
|--------------------------------------|---|
| EN 61000-4-2 electrostatic discharge | 4 kV contact discharge, 8 kV air discharge |
| EN 61000-4-3 electromagnetic field | 10 V/m (80 - 1000 MHz) |
| EN 61000-4-4 fast transients (burst) | 2 kV power line, 4 kV data line |
| EN 61000-4-5 surge voltage | power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line |
| EN 61000-4-6 conducted immunity | 10 V (150 kHz - 80 MHz) |

EMC emitted immunity

| | |
|-------------------|----------------------------|
| EN 55022 | EN 55032 Class A |
| FCC CFR47 Part 15 | FCC 47CFR Part 15, Class A |

Approvals

| | |
|--|-------------------------|
| Basis Standard | CE, FCC, EN61131 |
| Safety of industrial control equipment | cUL 61010-1/61010-2-201 |

Scope of delivery and accessories

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|-------------------|--|
| Accessories | Rail Power Supply RPS 30/80 EEC/120 EEC (CC), Wall mounting plate for DIN rail mounting (width 40/70 mm) |
| Scope of delivery | Device, terminal block, safety instruction |

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